

Date: Mon, 20 Sep 93 04:30:12 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
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Precedence: Bulk
Subject: Ham-Ant Digest V93 #53
To: Ham-Ant

Ham-Ant Digest Mon, 20 Sep 93 Volume 93 : Issue 53

Today's Topics:

 11m Mag-mount ==> 2m ?
 Horizontal Loops
 NF3I -- Scott Rosenfeld (2 msgs)

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 20 Sep 1993 00:00:32 GMT
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa
Subject: 11m Mag-mount ==> 2m ?
To: ham-ant@ucsd.edu

In article <1993Sep14.165945.1@wccsub.ctstateu.edu> ritterbus001@wccsub.ctstateu.edu
writes:

>This may be a pipe dream, but is there any way to convert an 11m mag-mount
>(ok, yes, it really was a CB antenna) to be usable on 2m. Can I reclaim
>anything besides the magnet?
>
>
>Jim Ritterbusch

Jim, I believe one of the ARRL's books has an article concerning this; the
coil will need to be rewound, and a trimmer capacitor added. In the end,
you'll have a 5/8 wave 2M antenna. I've got the details buried somewhere -
I'll see if I can find it.

Jeff NH6IL

Date: Sun, 19 Sep 1993 15:04:39 GMT
From: sdd.hp.com!col.hp.com!fc.hp.com!jayk@network.ucsd.edu
Subject: Horizontal Loops
To: ham-ant@ucsd.edu

>depaul@spk.hp.com (Marc DePaul)
>I wouldn't put all of my faith in antenna computer programs...they always
>claim that the horizontal antenna is only good for very high angles of
>radiation...nonesense!

Actually I think you will find most of the programs work well.
And I don't think they always claim horizontal antennas are only
good at high angles. But horizontal antennas are generally greatly
affected by height above ground. The low horizontal loop should
be a very high angle antenna. Your previous comments seem to point
this out.

>When I lived in PA, I came across a guy who had the loudest signal on the
>band (on 40 M), night after night. He lived in MD (I think) and was
>consistently 20 to 40 db stronger than any ham on the band (yes, look at
>those numbers again).

>
>Many years later I put up a 560' horizontal loop which was mounted 5' off
>of the ground. This was when I moved to WA. California TX/RX was wonderful
>on 20 meters...Often the reports would go 30 over S 9, both ways.

This is high angle stuff.

>Does anyone have any experience with full wave horizontal loop antennas?
>I am interested in data, anecdotes, stories, tall tales, etc., on these
>antennas. I am ESPECIALLY interested in anyone who has used a 160m
>full wave horizontal loop.
>73, Erich KA6AMD

If you want a big signal in the surrounding states the low horizontal
loop will work well. Modeling on MiniNEC says that most of the signal
will go almost straight up unless the antenna is up over 100 feet on
160m. If your interested in longer haul it would be better to consider
some kind of vertical radiator and maybe put some effort into a receiving
antenna for 160. If you have a ~60+ foot plus tower a shunt feed setup
can work quite well. Also a inverted L, with even a short vertical
section, is quite effective. Details of these antennas can be found
in the ARRL antenna book.

73, Jay K0GU

jayk@fc.hp.com

Date: Sun, 19 Sep 1993 18:05:21 GMT
From: vtserf.cc.vt.edu!agf.async.vt.edu!aflorenc@uunet.uu.net
Subject: NF3I -- Scott Rosenfeld
To: ham-ant@ucsd.edu

Attention Scott Rosenfeld, NF3I, in Maryland. Please E-mail me.

Adam Florence
aflorenc@vt.edu

Date: Sun, 19 Sep 1993 18:07:39 GMT
From: vtserf.cc.vt.edu!agf.async.vt.edu!aflorenc@uunet.uu.net
Subject: NF3I -- Scott Rosenfeld
To: ham-ant@ucsd.edu

Attention Scott Rosenfeld, NF3I, in Maryland. Please E-mail me.

Adam Florence
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End of Ham-Ant Digest V93 #53
